

In the Specification

Applicant presents replacement paragraphs below indicating the changes with insertions and deletions indicated by underlining and strikeouts, respectively.

Please amend the paragraph beginning at page 8, line 7 as follows:

C According to some embodiments the plasma membrane UCP inhibitor includes a hydrophobic moiety and optionally the plasma membrane UCP inhibitor is a modified nucleotide analog conjugated to a hydrophobic moiety. In other embodiments the plasma membrane UCP inhibitor includes a membrane attachment domain, which is optionally conjugated to a nucleotide or nucleotide analog. In preferred embodiments the membrane attachment domain is a Type I membrane attachment domain, Type II membrane attachment domain, or Type III membrane attachment domain. In other embodiments the membrane attachment domain is selected from the group consisting of P-Cadherin (FILPILGAVLALLLLTLLALLLV) (SEQ ID NO:7); CD2 (IYLIIGICGGGSLLMVFVALLVFYIT) (SEQ ID NO:8); CD40 (ALVVIIPIIFGILFAILLVLVFI) (SEQ ID NO:9); Contactin (ISGATAGVPTLLLGLVLPAP) (SEQ ID NO:10); IL-4 receptor (LLGVSVSCIVILAVCLLCYVSIT) (SEQ ID NO:11); Mannose receptor (VAGVVIIIVILLITGAGLAAYFFY) (SEQ ID NO:12); M-CSF receptor (FLFTPVVVACMSIMALLLLLLLLLL) (SEQ ID NO:13); PDGFR .beta. chain (VVVISAILALVVLTHSLIILIMLWQKKPR) (SEQ ID NO:14); PDGFR .alpha. chain (ELTVAAAVLVLLVIVSISLIVLVVTW) (SEQ ID NO:15); P-Selectin (LTYFGGAVASTIGLIMGGTLLALL) (SEQ ID NO:16); Rat Thy-1 (VKCGGISLLVQNTSWLLLLLSLSFLQATDFISL) (SEQ ID NO:17); TNFR-1 (TVLLPLVIFFGLCLLSLLFIGLM) (SEQ ID NO:18); and VCAM-1 (LLVLYFASSLIIPAIGMIIYFAR) (SEQ ID NO:19).

Please amend the paragraph beginning at page 9, line 29 as follows:

C² SEQ ID NO:1 is the nucleotide sequence of the human uncoupling (UCP-1) cDNA with GenBank Acc. no.U28480.

SEQ ID NO:2 is the predicted amino acid sequence of the translation product of human uncoupling cDNA (UCP-1) (SEQ ID NO:1).

SEQ ID NO:3 is the nucleotide sequence of the human uncoupling (UCP-2) cDNA with GenBank Acc. no.U82819.

SEQ ID NO:4 is the predicted amino acid sequence of the translation product of human uncoupling cDNA (UCP-2) (SEQ ID NO:3).

SEQ ID NO:5 is the nucleotide sequence of the human uncoupling (UCP-3S) cDNA with GenBank Acc. no.U82818.

SEQ ID NO:6 is the predicted amino acid sequence of the translation product of human uncoupling cDNA (UCP-3S) (SEQ ID NO:5).

SEQ ID NO:7 is the amino acid sequence of the membrane attachment domain P-Cadherin.

SEQ ID NO:8 is the amino acid sequence of the membrane attachment domain CD2.

SEQ ID NO:9 is the amino acid sequence of the membrane attachment domain CD40.

SEQ ID NO:10 is the amino acid sequence of the membrane attachment domain Contactin.

SEQ ID NO:11 is the amino acid sequence of the membrane attachment domain IL-4 receptor.

SEQ ID NO:12 is the amino acid sequence of the membrane attachment domain mannose receptor.

SEQ ID NO:13 is the amino acid sequence of the membrane attachment domain M-CSF receptor.

SEQ ID NO:14 is the amino acid sequence of the membrane attachment domain PDGFR.beta.chain.

SEQ ID NO:15 is the amino acid sequence of the membrane attachment domain PDGFR.alpha.chain.

SEQ ID NO:16 is the amino acid sequence of the membrane attachment domain P-Selectin.

SEQ ID NO:17 is the amino acid sequence of the membrane attachment domain Rat Thy-

1.

SEQ ID NO:18 is the amino acid sequence of the membrane attachment domain TNFR-1.

SEQ ID NO:19 is the amino acid sequence of the membrane attachment domain VCAM-

1.

C20
conc.